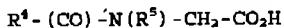


Claims

1. A formulation comprising:

5 a) an acyl amino acid derivative of the formula (III):



(III)

10

in which

R⁴ is C₀ - C₃₀ optionally substituted alkyl

and R⁵ is hydrogen or methyl, and

15

b) a N,N'-disubstituted aminomethyl triazole derivatives of the formula (IV):



20

(IV)

in which

T² is an optionally substituted 1,2,3-benzotriazole group,
25 or an optionally substituted 1,2,4-triazole group, and

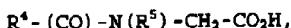
R⁶ is a hydroxyalkyl group

2. A formulation according to Claim 1, wherein the
30 formulation is soluble in organic hydrocarbons.

3. A formulation according to Claim 2, wherein the solubility at 25°C and 1 atmosphere pressure is at least 0.000001wt% in Naphthenic oil.
- 5 4. A formulation according to Claim 2, wherein the solubility at 25°C and 1 atmosphere pressure is at least 0.000001wt% in toluene.
- 10 5. A formulation according to Claim 1, wherein the formulation is soluble in water.
- 15 6. A formulation according to Claim 5, wherein the solubility at 25°C and 1 atmosphere pressure is at least 0.000001wt% in water.
- 20 7. A formulation according to Claim 1, wherein the formulation is soluble in both water and organic hydrocarbons.
- 25 8. A formulation according to Claim 1, wherein the mole ratio of the formula (III) compound to the formula (IV) compound is from 1 : 0.2 to 1 : 2.
9. A formulation according to Claim 1, which comprises further additives.
- 25 10. A composition comprising:
30 *Claim 1*
a) a formulation according to ~~any one of the preceding~~
~~claims~~
and
b) a diluent.

11. A composition according to Claim 9, wherein the diluent is water, organic hydrocarbon, or a mixture thereof.
- 5 12. A composition according to Claim 11, wherein the organic hydrocarbon comprises natural or synthetic aliphatic or aromatic compounds of carbon and hydrogen, optionally containing unsaturated linkages, ester groups or hetero atoms.
- 10 13. A composition according to Claim 11, wherein the organic hydrocarbon is selected from the group comprising:
- 15 octane, kerosine, white spirit, petroleum-based hydrocarbons such as naphthenic oils or paraffinic oils, vegetable oils, synthetic carboxylic acid ester, phosphate esters, poly α olefins, poly isobutylenes, alkylated aromatic hydrocarbons, ethylene glycol, propylene glycol, polyalkylene glycols, glycol ethers.
- 20 14. A composition according to Claim 11, wherein water is selected from the group comprising:
- 25 distilled water, de-ionised water, natural water and synthetic hard water.
- 30 15. A composition according to Claim 10, in contact with a ferrous metal surface, a non-ferrous metal surface or a combination thereof.
16. A kit comprising

(a) an acyl amino acid derivative of formula (III):

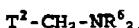


5

(III)

and,

(b) a N-N'-disubstituted aminomethyl triazole
10 derivative of formula (IV):



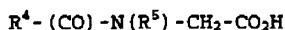
15

(IV)

17. A kit according to Claim 16, further comprising a solvent comprising water and/or organic hydrocarbon or a mixture thereof.
- 20 18. A kit according to Claim 16 comprising quantities of (a) and (b) in such a ratio that, when mixed together, the resulting formulation is soluble in water, organic hydrocarbon or a mixture thereof.
- 25 19. A method of producing a formulation comprising contacting:

(a) an acyl amino acid derivative of formula (III):

30

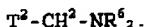


(III)

and,

(b) a N,N'- disubstituted aminomethyltriazol derivative of formula (IV):

5



(IV)

- 10 20. A method according to Claim 19, wherein (a) and (b) are contacted in such a ratio that the resulting mixture is soluble in water.
- 15 21. A method according to Claim 19, wherein (a) and (b) are contacted in such a ratio that the resulting mixture is soluble in organic hydrocarbon.
- 20 22. A method according to Claim 19, wherein (a) and (b) are contacted by mixing with stirring at an elevated temperature.
- 25 23. A method according to Claim 19, further comprising addition of a diluent.
- 30 24. A method according to Claim 23, wherein the diluent is added before stirring at an elevated temperature.
25. A method according to Claim 23, wherein the diluent is added during stirring at an elevated temperature.
- 30 26. A method according to Claim 23, wherein the diluent is added after stirring at an elevated temperature.

claim 1

27. Use of a formulation according to any one of the preceding claims, as a corrosion inhibitor, as a rust inhibitor, as a metal passivator, as a metal deactivator, as an emulsifier, as a surfactant or as a multi purpose additive for a combination of the aforementioned purposes.
- 5
28. Use of a formulation according to Claim 27, wherein a concentration of between 0.000001wt% and 5wt% of the formulation are used.
- 10
29. A method in inhibiting corrosion of a metal, comprising contacting a formulation according to any one of claims 1-9 and a fluid, which fluid contacts a metal susceptible to corrosion.
- 15